IN THE CLAIMS

1. (Currently Amended) A broadcasting system comprising:

a broadcasting station for broadcasting [[a]] digital content together with attribute information indicating an attribute thereof; and

a plurality of reception apparatuses having reception means for receiving said digital content and <u>said</u> attribute information broadcast from [[a]] <u>the</u> broadcasting station, a recording medium for recording <u>the</u> received digital contents and <u>the received</u> attribute information, output means for outputting <u>the</u> received digital contents, and selection means for <u>selecting allowing a user to select the</u> digital contents <u>via a filtering process</u> by comparing selection information indicating <u>users's taste</u> <u>user preferences</u> with attribute information assigned to <u>the</u> digital contents, wherein

said user is permitted to activate or deactivate the filtering process at any time;
said attribute information is expressed with an n-dimensional vector A comprising
attribute items as elements each indicative of attribute intensities for [[a]] the digital content;

said selection information is expressed with an n-dimensional vector S comprising user's taste user preference items as elements each indicative of taste preference intensities;

item types and orders for said attribute information and said selection information correspond to those for an attribute information's vector A and a selection information's vector S; and

said <u>plurality of reception apparatus's apparatuses include</u> selection means <u>performs for performing</u> an inner product operation between [[an]] <u>the</u> attribute information's vector A

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attached to a broadcast-digital-content and [[a]] the selection information's vector S₂ and determines whether to select that the digital content based on an the result of the inner product operation result.

2. (Currently Amended) [[A]] <u>The</u> broadcasting system according to claim 1, wherein the selection means of each of said plurality of reception apparatus's selection means apparatuses finds a selection value P based on the following equation and selects [[a]] the digital content based on the a size of this the selection value P as follows:

$$A = (a1, a2, a3,, an)$$

$$S = (s1, s2, s3,, sn)$$

$$P = \frac{A \cdot S}{|A| \cdot |S|}$$

where

$$A \cdot S = \sum_{k=1}^{n} a_k S_k$$

$$|A| = \sqrt{\sum_{k=1}^{n} a_k^2}$$

$$|S| = \sqrt{\sum_{k=1}^{n} S_k^2}$$

in which neither A nor S is [[0]] a zero vector.

3. (Currently Amended) [[A]] The broadcasting system according to claim 1, wherein said selection information's vector S is found from a vector A of attribute information attached to a plurality of digital contents selected by [[a]] the user.

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4. (Currently Amended) [[A]] <u>The</u> broadcasting system according to claim 3, wherein said selection information's vector S is found according to the following equation:

$$S = \frac{1}{M} \sum_{k=1}^{M} A_k$$

where M is assumed to be the \underline{a} number of digital contents selected by [[a]] the user[[;]] and an attribute vector for the K-th digital content selected by [[a]] the user is assumed to be: Ak = (a1k, a2k, a3k,, ank).

5. (Currently Amended) [[A]] <u>The</u> broadcasting system according to claim 3, wherein said selection information's vector S is found according to the following equation:

$$S = \frac{1}{M} \sum_{k=L-M+1}^{L} A_k$$

where M is assumed to be the <u>a</u> number of windows for finding a vector S[[;]], L is assumed to be a start point for selecting [[a]] the plurality of digital contents for finding the vector S[[;]], and an attribute vector for the K-th digital content selected by [[a]] the user is assumed to be: Ak = (a1k, a2k, a3k,, ank).

6. (Currently Amended) [[A]] <u>The</u> broadcasting system according to claim 3, wherein said selection information's vector S is found by averaging vectors A for attribute information attached to [[a]] <u>the</u> plurality of digital contents reproduced by [[a]] <u>the</u> user for a specified time or more.

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- 7. (Currently Amended) [[A]] <u>The</u> broadcasting system according to claim 3, wherein said selection information's vector S is found by averaging vectors A for attribute information attached to [[a]] <u>the</u> plurality of digital contents reserved by [[a]] <u>the</u> user.
- 8. (Currently Amended) [[A]] <u>The</u> broadcasting system according to claim 3, wherein said selection information's vector S is found by averaging vectors A for attribute information attached to [[a]] <u>the</u> plurality of digital contents reproduced by [[a]] <u>the</u> user for a specified time or more, averaging vectors A for attribute information attached to [[a]] <u>the</u> plurality of digital contents reserved by [[a]] <u>the</u> user, assigning a weight to each average, and combining <u>these</u> <u>the</u> weights.
- 9. (Currently Amended) [[A]] <u>The</u> broadcasting system according to claim 1, wherein the selection means of each of said plurality of reception apparatus's selection means apparatuses selects [[a]] the digital content based on a vector S of the selection information corresponding to a plurality of users.
 - (Currently Amended) A reception apparatus comprising:
 reception means for receiving said digital content and attribute information broadcast

<u>a</u> recording medium for recording <u>the</u> received digital content and <u>the</u> attribute information;

output means for outputting the received digital content; and

from a broadcasting station;

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selection means for selecting a allowing a user to select the digital content via a filtering process by comparing selection information indicating user's taste user preferences with attribute information attached to the digital content, wherein

said user is permitted to activate or deactivate the filtering process at any time;

said attribute information is expressed with an n-dimensional vector A comprising attribute items as elements each indicative of attribute intensities for [[a]] the digital content;

said selection information is expressed with an n-dimensional vector S comprising user's taste user preference items as elements each indicative of taste preference intensities;

item types and orders for said attribute information and said selection information correspond to those for an attribute information's vector A and a selection information's vector S; and

said selection means performs an inner product operation between [[an]] the attribute information's vector A attached to a broadcast digital content and [[a]] the selection information's vector S_a and determines whether to select that the digital content based on an the result of the inner product operation result.

11. (Currently Amended) [[A]] <u>The</u> reception apparatus according to claim 10, wherein said selection means finds a selection value P based on the following equation and selects [[a]] <u>the</u> digital content based on the <u>a</u> size of this the selection value P <u>as follows</u>:

$$A = (a1, a2, a3,, an)$$

$$S = (s1, s2, s3,, sn)$$

$$P = \frac{A \cdot S}{|A| \cdot |S|}$$

where

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$$A \cdot S = \sum_{k=1}^{n} a_k S_k$$
$$|A| = \sqrt{\sum_{k=1}^{n} a_k^2}$$

$$|A| = \sqrt{\sum_{k=1}^n a_k^2}$$

$$|S| = \sqrt{\sum_{k=1}^{n} S_k^2}$$

in which neither A nor S is [[0]] a zero vector.

- 12. (Currently Amended) [[A]] The reception apparatus according to claim 10, wherein said selection information's vector S is found from a vector A of attribute information attached to a plurality of digital contents selected by [[a]] the user.
- 13. (Currently Amended) [[A]] The reception apparatus according to claim 12, wherein said selection information's vector S is found according to the following equation:

$$S = \frac{1}{M} \sum_{k=1}^{M} A_k$$

where M is assumed to be the a number of digital contents selected by [[a]] the user[[;]] and an attribute vector for the K-th digital content selected by [[a]] the user is assumed to be: Ak = (a1k, a2k, a3k,, ank)

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14. (Currently Amended) [[A]] <u>The</u> reception apparatus according to claim 12, wherein said selection information's vector S is found according to the following equation:

$$S = \frac{1}{M} \sum_{k=L-M+1}^{L} A_k$$

where M is assumed to be the <u>a</u> number of windows for finding a vector S[[;]], L is assumed to be a start point for selecting [[a]] the plurality of digital contents for finding the vector S[[;]], and an attribute vector for the K-th digital content selected by [[a]] the user is assumed to be: Ak = (a1k, a2k, a3k,, ank).

- 15. (Currently Amended) [[A]] <u>The</u> reception apparatus according to claim 12, wherein said selection information's vector S is found by averaging vectors A for attribute information attached to [[a]] <u>the</u> plurality of digital contents reproduced by [[a]] <u>the</u> user for a specified time or more.
- 16. (Currently Amended) [[A]] <u>The</u> reception apparatus according to claim 12, wherein said selection information's vector S is found by averaging vectors A for attribute information attached to [[a]] the plurality of digital contents reserved by [[a]] the user.
- 17. (Currently Amended) [[A]] <u>The</u> reception apparatus according to claim 12, wherein said selection information's vector S is found by averaging vectors A for attribute information attached to [[a]] <u>the</u> plurality of digital contents reproduced by [[a]] <u>the</u> user for a specified time or more, averaging vectors A for attribute information attached to [[a]] <u>the</u> plurality of digital contents reserved by [[a]] <u>the</u> user, assigning a weight to each average, and combining <u>these</u> <u>the</u> weights.

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18. (Currently Amended) [[A]] <u>The</u> reception apparatus according to claim 10, wherein said selection means selects [[a]] <u>the</u> digital content based on a vector S of <u>the</u> selection information corresponding to a plurality of users.

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